

Measurement Results

No.1-4095/22-01-05_Annex_MR_A2

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Test/s performed: _____

p.o. _____

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| | |
|--|-----|
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EUT Information

| EUT DEFINITION | |
|----------------------|---------------|
| Manufacturer | Sagemcom |
| Type | DIW377 ALT US |
| Serial Number | 622172052818 |
| Setup Number | 1.0 |
| Version SW | NI |
| Version FW | NI |
| Version HW | NI |
| Comment 1 | |
| Comment 2 | |
| Temperature [°C] Min | -5 |
| Temperature [°C] Nom | 20 |
| Temperature [°C] Max | 45 |
| Voltage [V] Min | 110 |
| Voltage [V] Nom | 115 |
| Voltage [V] Max | 127 |

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 09:42:52 |
| Ambit Temp [°C] Humidity [rel%] | 26.3 43 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5260 |
| Frequency mid to test | False Freq [MHz] 5280 |
| Frequency high to test | False Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5260 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 12.94 | dBm | INFO |
| Ref. Frequency | --- | --- | 5261.800 | MHz | INFO |

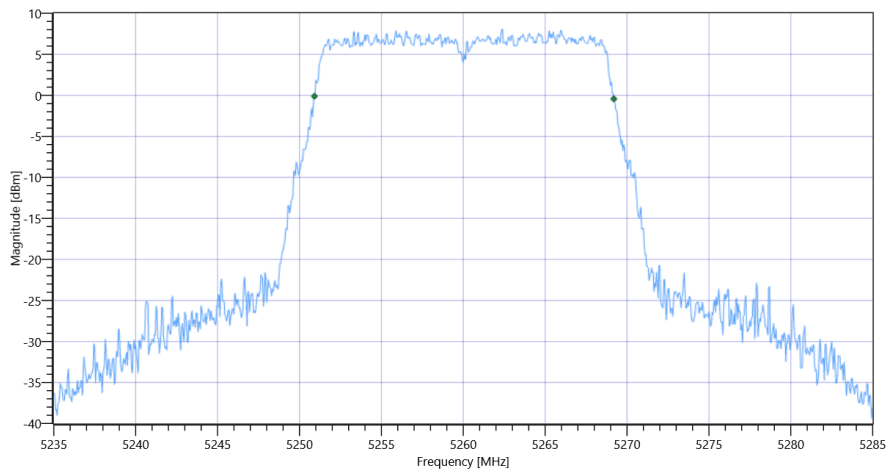
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 20.94 18.82 20 |
| Start [MHz] Stop [MHz] | 5235.000 5285.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

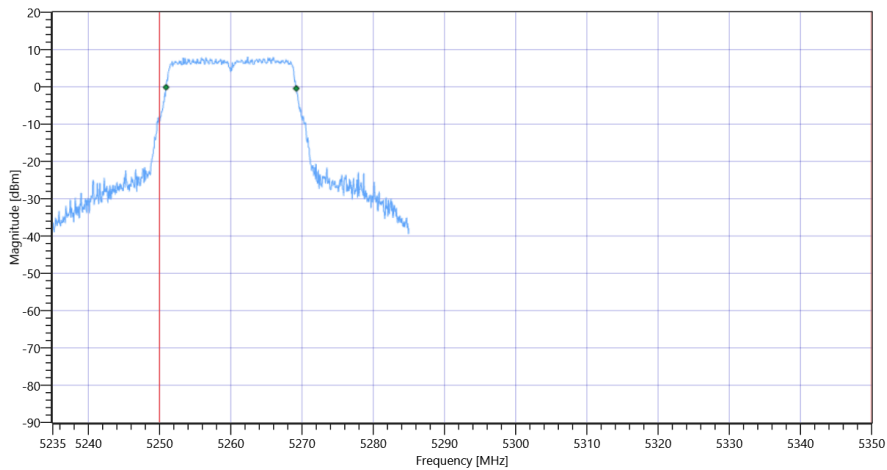
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.282 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5250.9091 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5269.1908 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

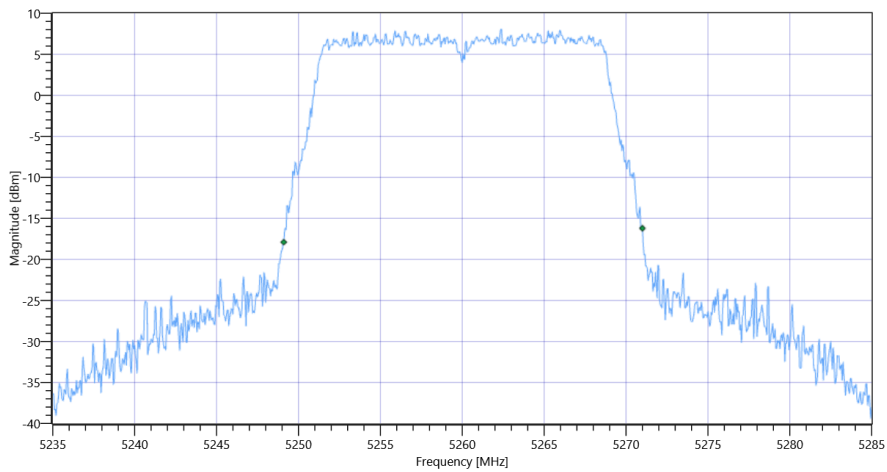
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

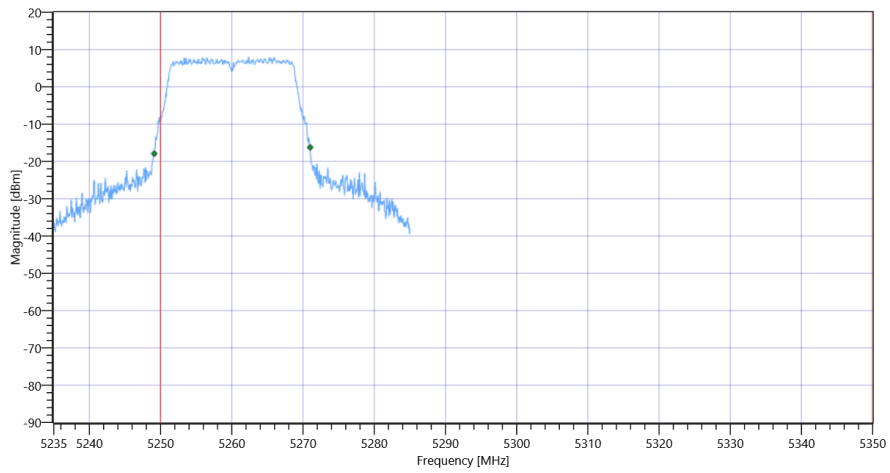
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.9 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5249.1000 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5271.0000 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 09:50:26 |
| Ambit Temp [°C] Humidity [rel%] | 26.3 43 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5260 |
| Frequency mid to test | False Freq [MHz] 5280 |
| Frequency high to test | False Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5260 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 13.66 | dBm | INFO |
| Ref. Frequency | --- | --- | 5256.800 | MHz | INFO |

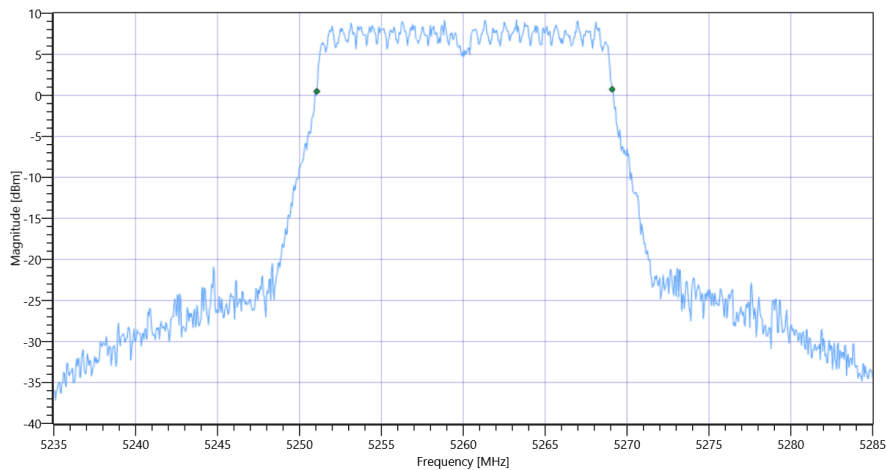
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 21.66 18.82 20 |
| Start [MHz] Stop [MHz] | 5235.000 5285.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

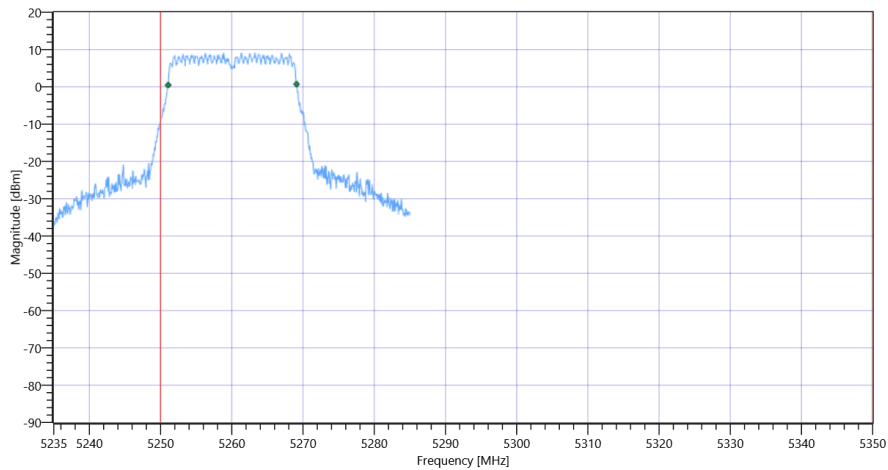
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.032 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5251.0589 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5269.0909 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

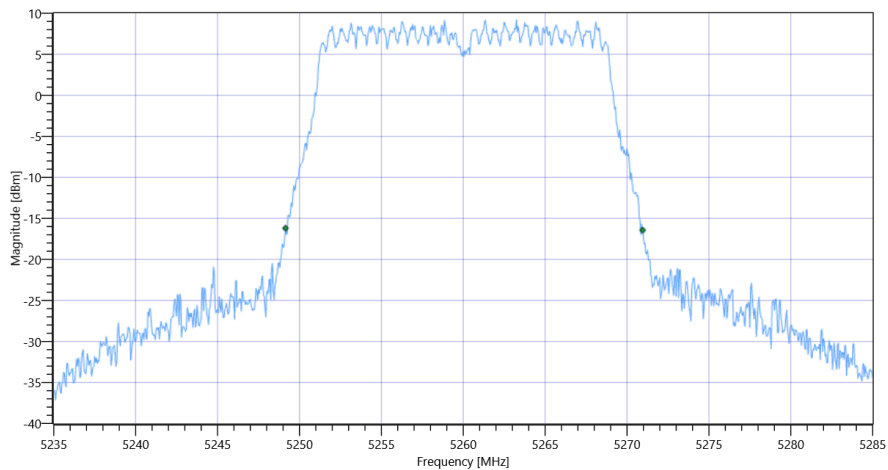
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

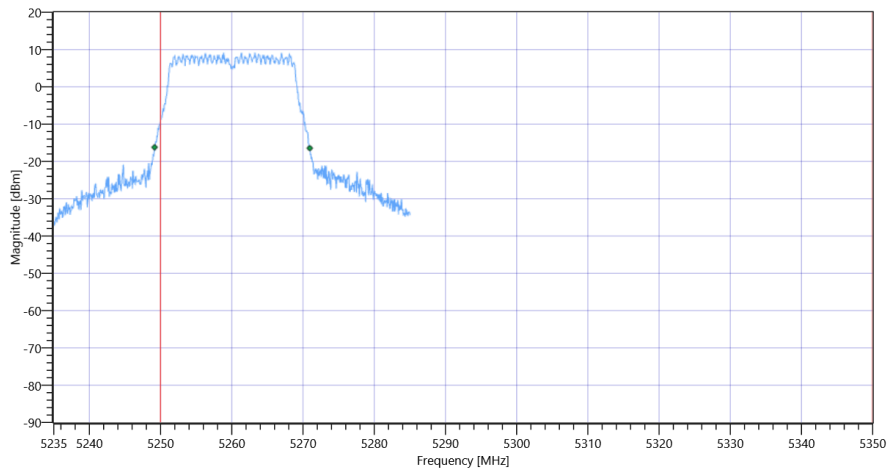
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.8 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5249.1500 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5270.9500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 09:56:05 |
| Ambit Temp [°C] Humidity [rel%] | 26.5 43 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5260 |
| Frequency mid to test | True Freq [MHz] 5280 |
| Frequency high to test | False Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5280 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 14.17 | dBm | INFO |
| Ref. Frequency | --- | --- | 5285.590 | MHz | INFO |

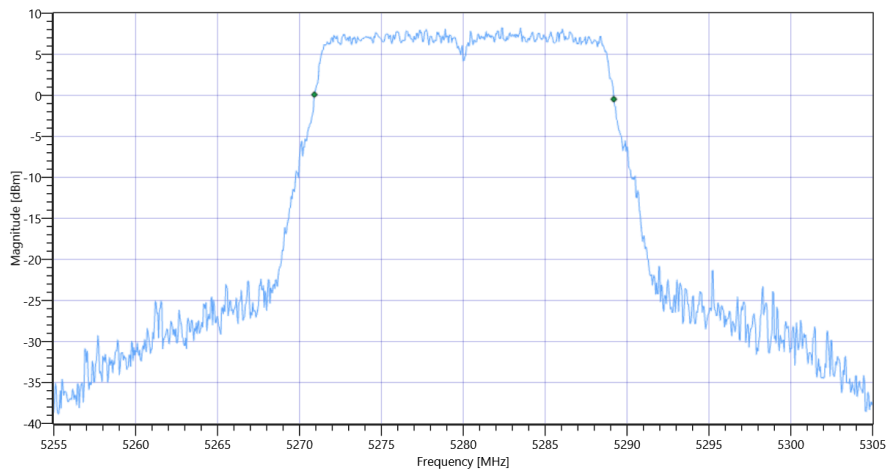
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 22.17 18.69 20 |
| Start [MHz] Stop [MHz] | 5255.000 5305.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

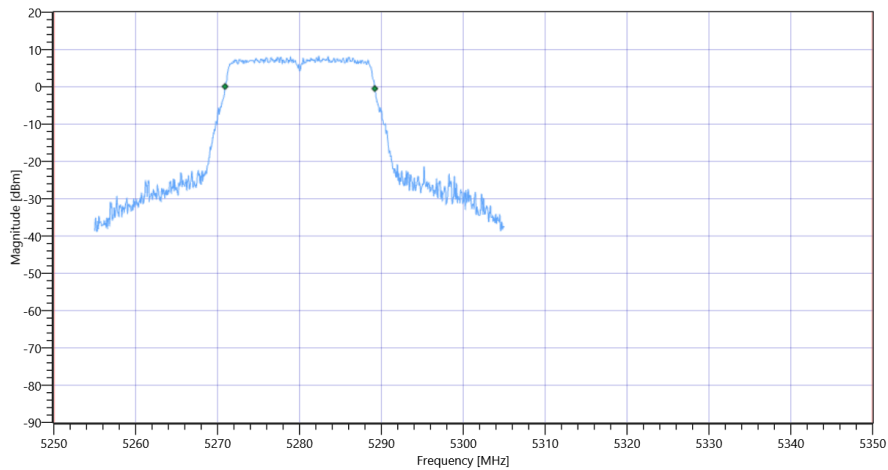
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.282 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5270.9091 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5289.1908 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

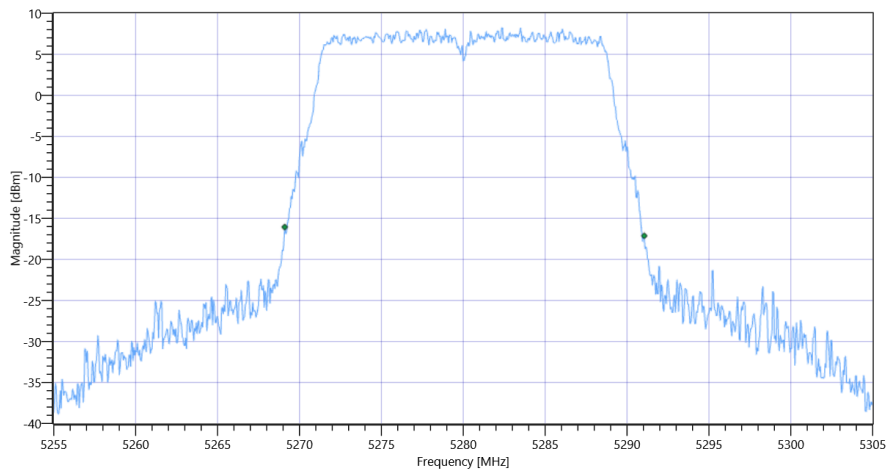
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

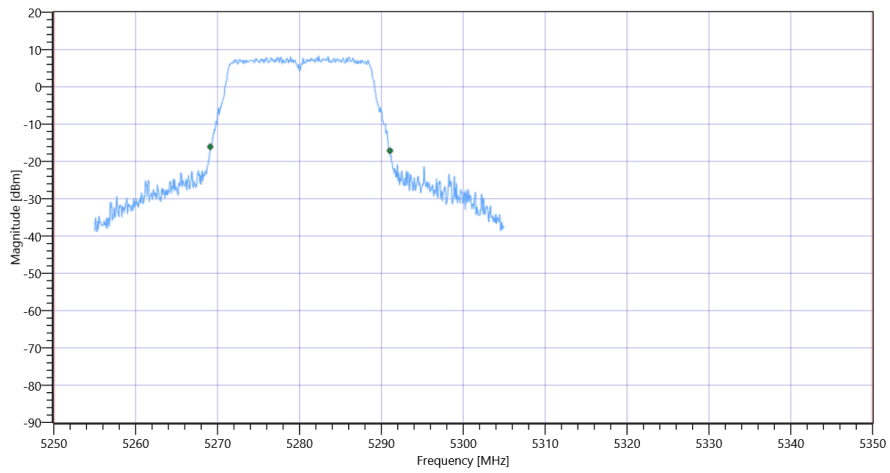
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.95 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5269.1000 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5291.0500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:01:11 |
| Ambit Temp [°C] Humidity [rel%] | 26.6 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5260 |
| Frequency mid to test | True Freq [MHz] 5280 |
| Frequency high to test | False Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5280 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 13.33 | dBm | INFO |
| Ref. Frequency | --- | --- | 5278.200 | MHz | INFO |

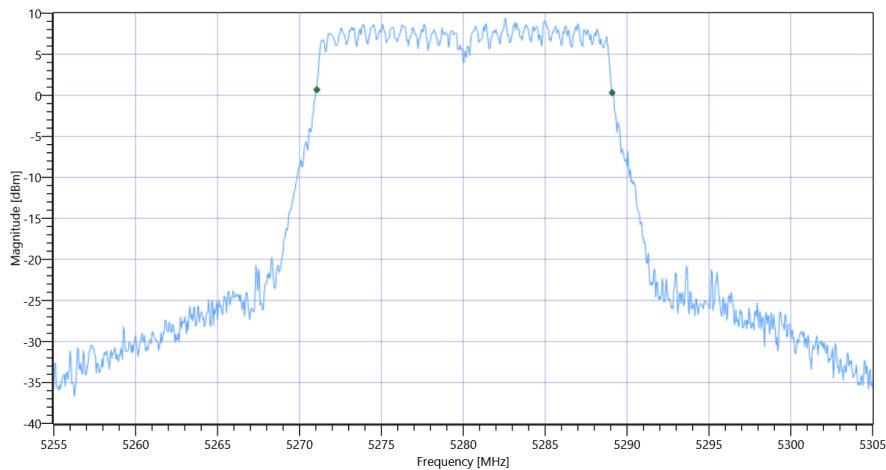
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 21.33 18.69 20 |
| Start [MHz] Stop [MHz] | 5255.000 5305.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

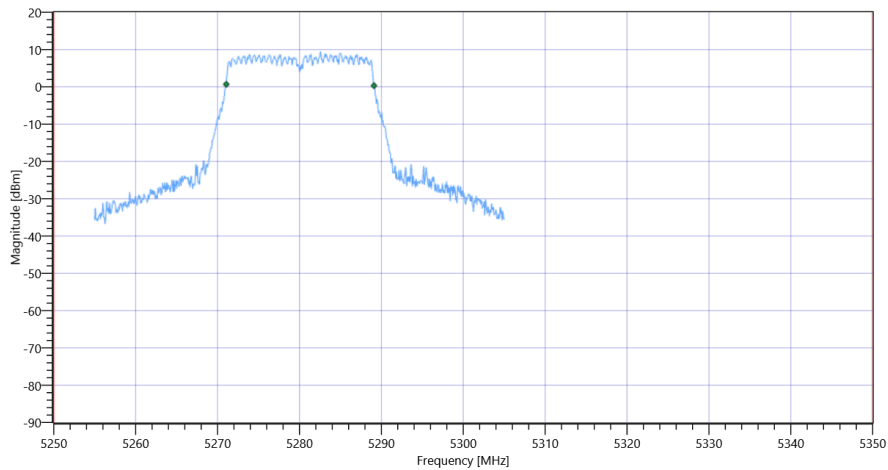
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.032 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5271.0589 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5289.0909 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

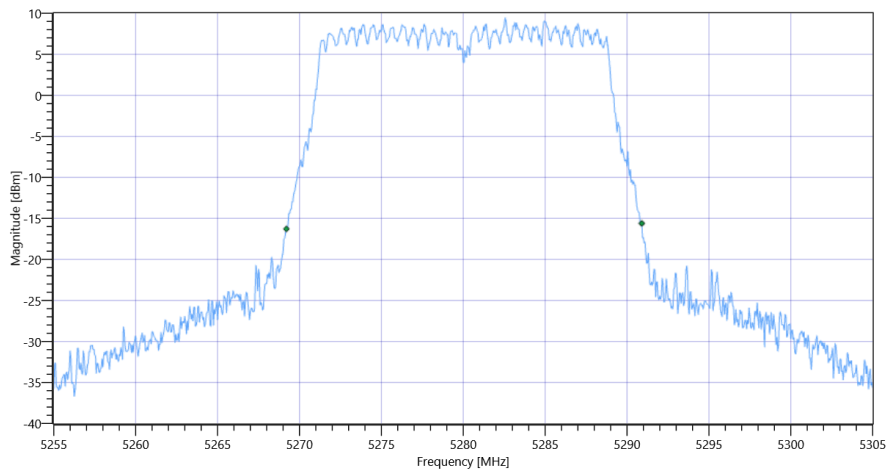
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

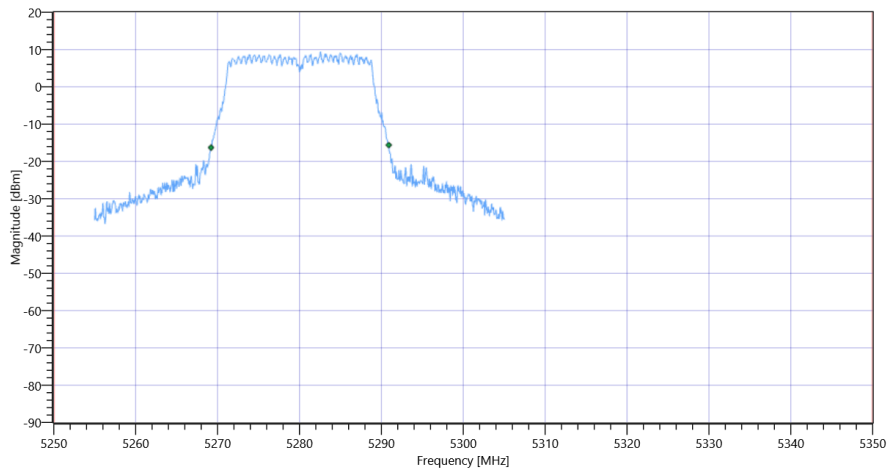
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.7 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5269.2000 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5290.9000 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:07:06 |
| Ambit Temp [°C] Humidity [rel%] | 26.6 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5260 |
| Frequency mid to test | False Freq [MHz] 5280 |
| Frequency high to test | True Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5320 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 13.42 | dBm | INFO |
| Ref. Frequency | --- | --- | 5321.200 | MHz | INFO |

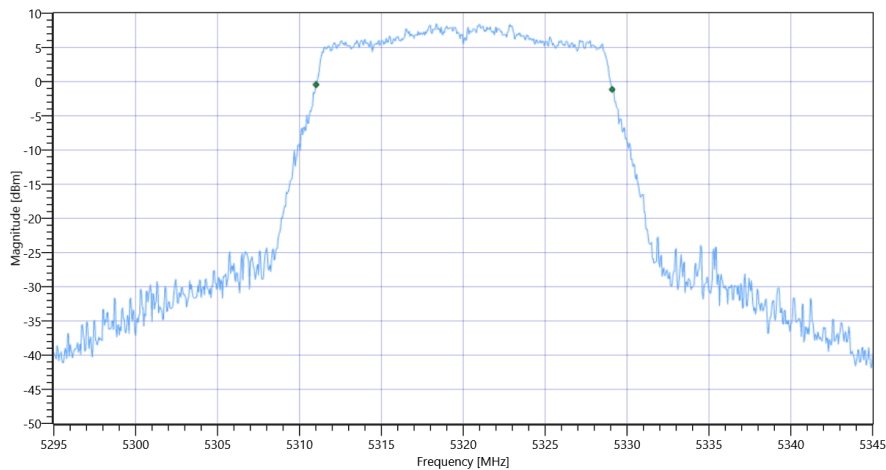
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 21.42 18.41 20 |
| Start [MHz] Stop [MHz] | 5295.000 5345.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

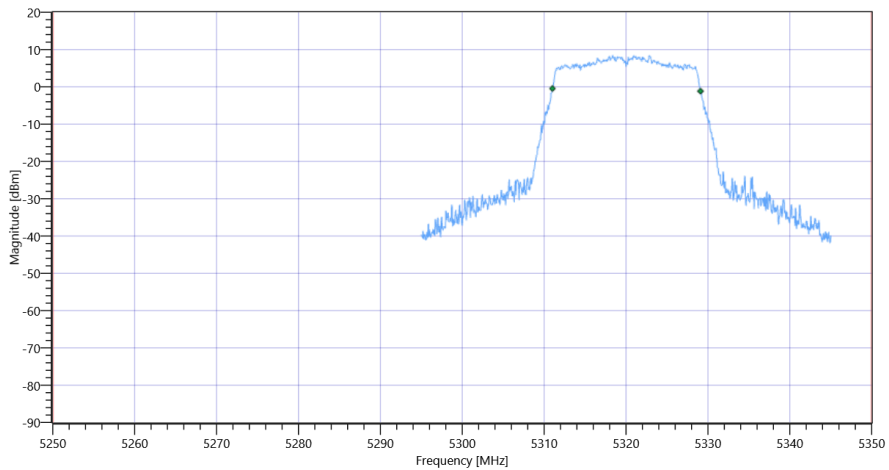
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.082 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5311.0090 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5329.0909 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

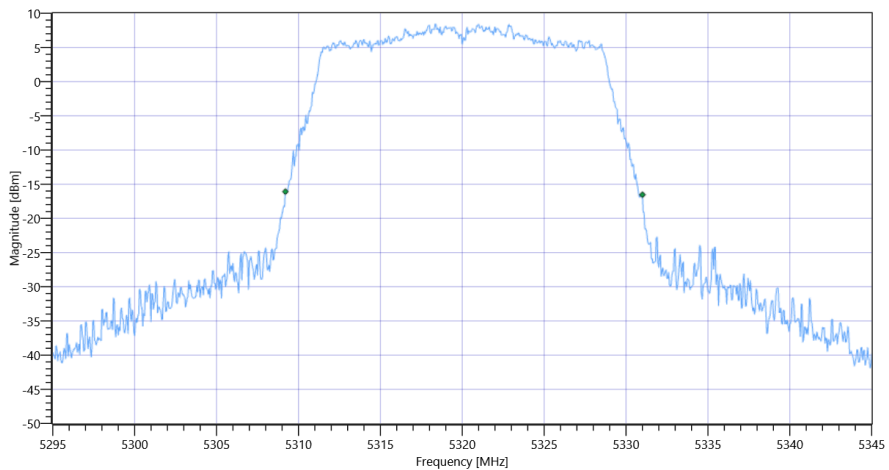
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

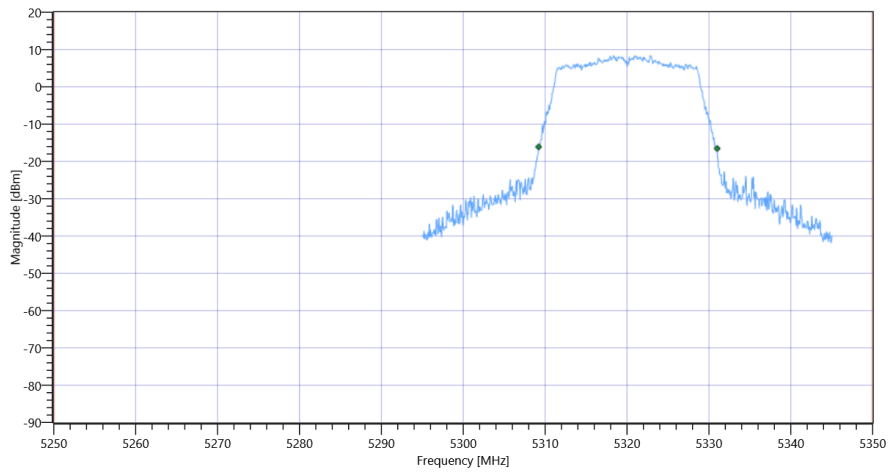
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.8 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5309.2000 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5331.0000 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:12:13 |
| Ambit Temp [°C] Humidity [rel%] | 26.7 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2A |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5260 |
| Frequency mid to test | False Freq [MHz] 5280 |
| Frequency high to test | True Freq [MHz] 5320 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5320 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 14.37 | dBm | INFO |
| Ref. Frequency | --- | --- | 5319.000 | MHz | INFO |

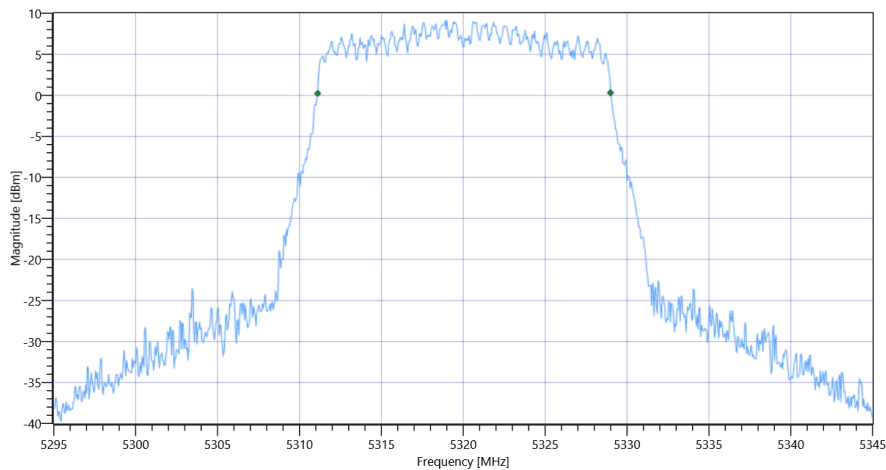
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 22.37 18.41 20 |
| Start [MHz] Stop [MHz] | 5295.000 5345.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

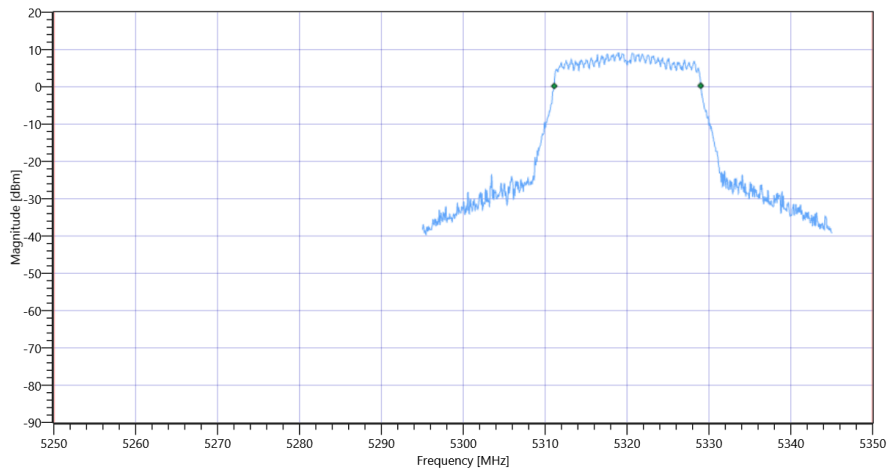
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 17.882 | MHz | INFO |
| T1 99% | 5250.000000 | --- | 5311.1089 | MHz | PASS since U-NII-1 is supported |
| T2 99% | --- | 5350.000000 | 5328.9910 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 99PCT

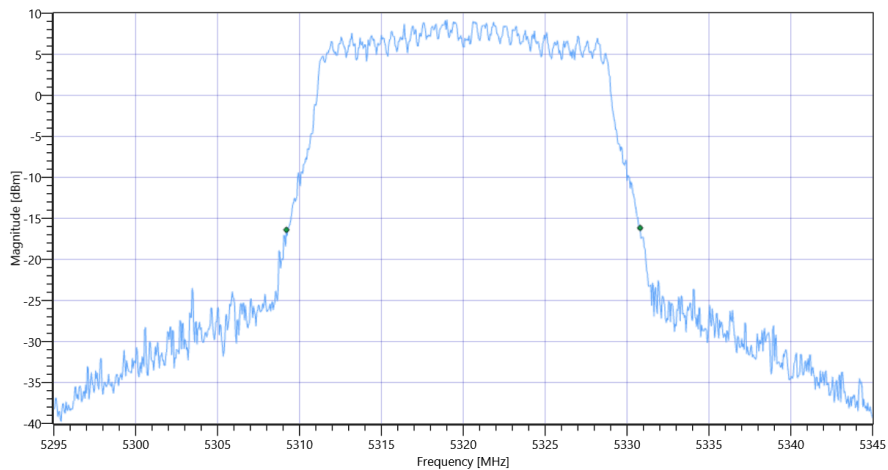
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

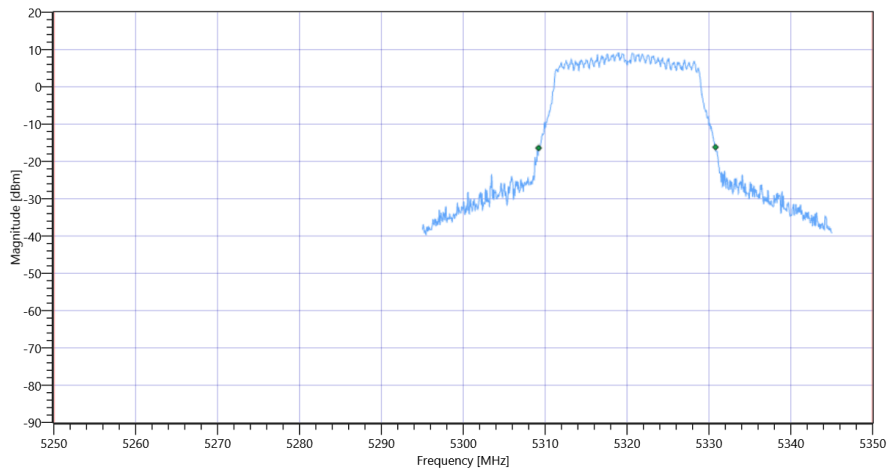
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.6 | MHz | INFO |
| T1 26dB | 5250.000000 | --- | 5309.2000 | MHz | PASS since U-NII-1 is supported |
| T2 26dB | --- | 5350.000000 | 5330.8000 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2A

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:30:09 |
| Ambit Temp [°C] Humidity [rel%] | 26.8 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5500 |
| Frequency mid to test | False Freq [MHz] 5600 |
| Frequency high to test | False Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5500 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 15.43 | dBm | INFO |
| Ref. Frequency | --- | --- | 5501.200 | MHz | INFO |

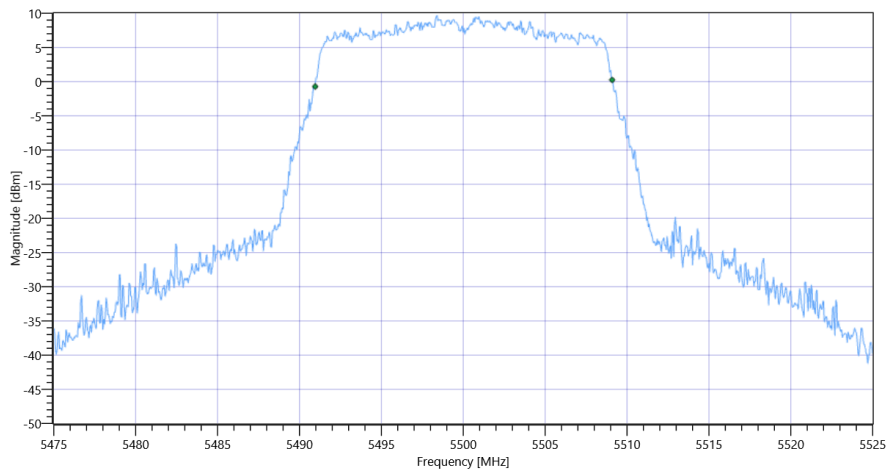
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 23.43 18.5 20 |
| Start [MHz] Stop [MHz] | 5475.000 5525.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

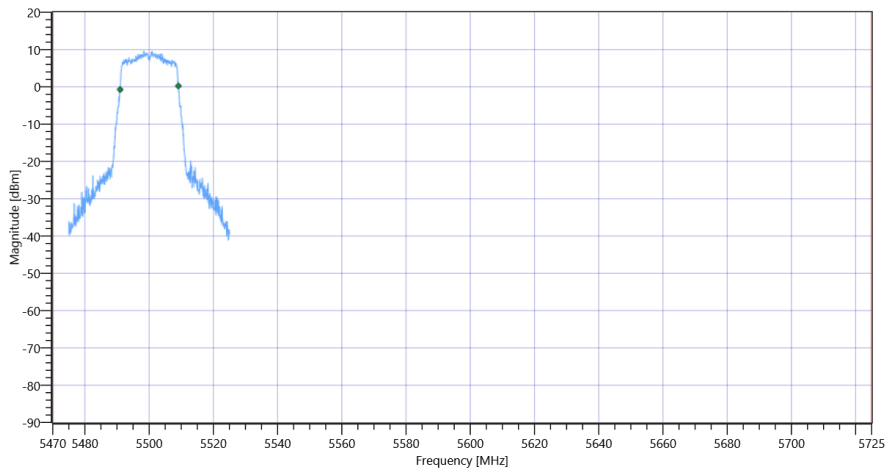
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.132 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5490.9590 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5509.0909 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

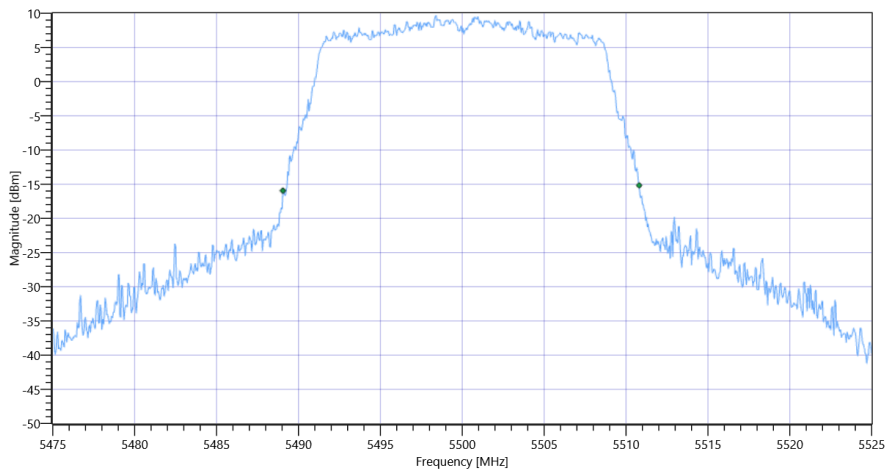
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

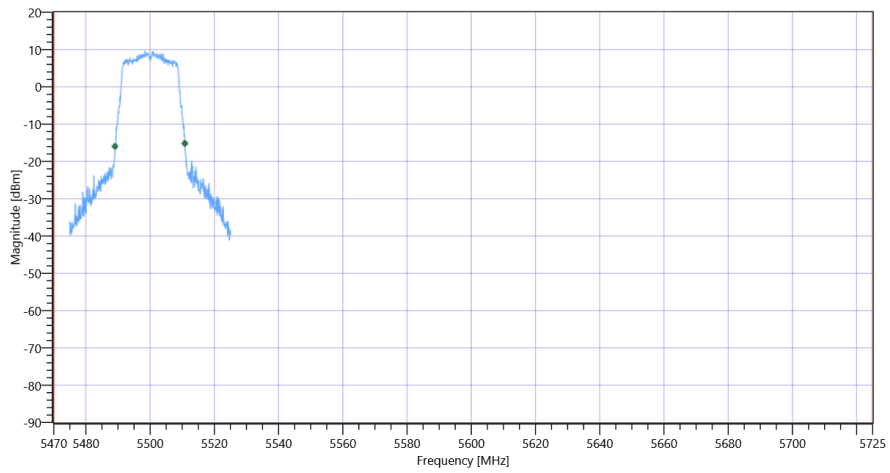
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 21.75 | MHz | INFO |
| T1 26dB | 5470.000000 | --- | 5489.0500 | MHz | PASS since U-NII-3 is supported |
| T2 26dB | --- | 5725.000000 | 5510.8000 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:35:25 |
| Ambit Temp [°C] Humidity [rel%] | 26.9 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5500 |
| Frequency mid to test | False Freq [MHz] 5600 |
| Frequency high to test | False Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5500 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 16.08 | dBm | INFO |
| Ref. Frequency | --- | --- | 5501.000 | MHz | INFO |

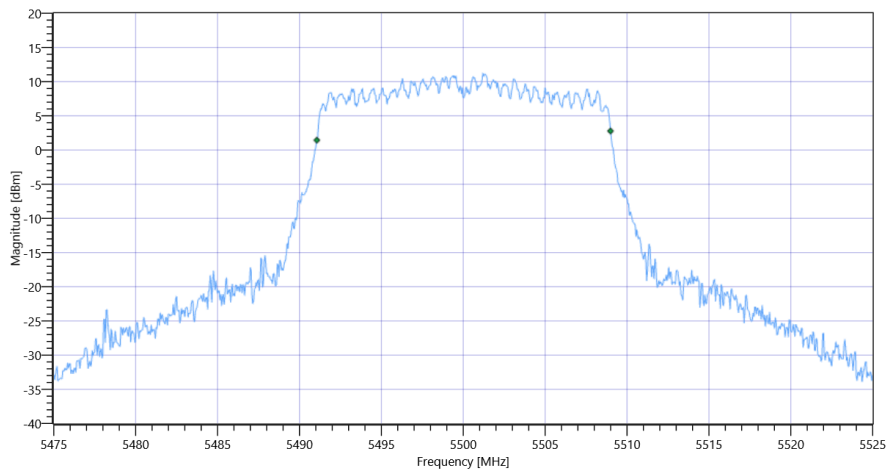
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 24.08 18.5 25 |
| Start [MHz] Stop [MHz] | 5475.000 5525.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

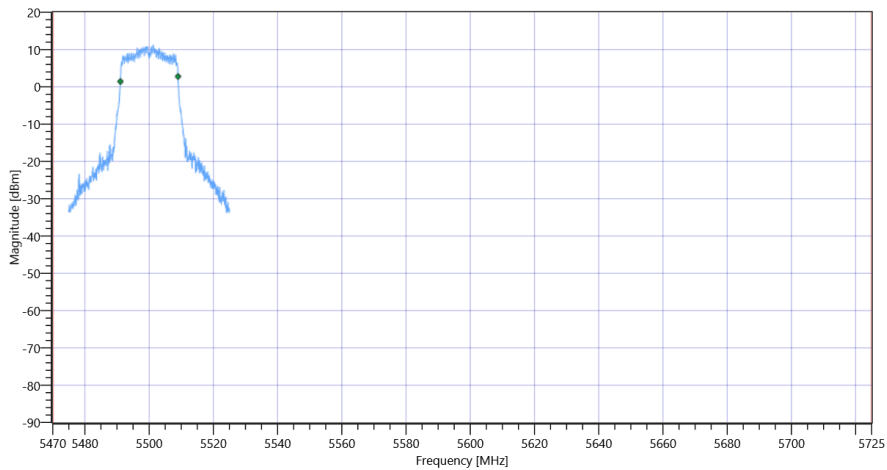
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 17.932 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5491.0589 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5508.9910 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

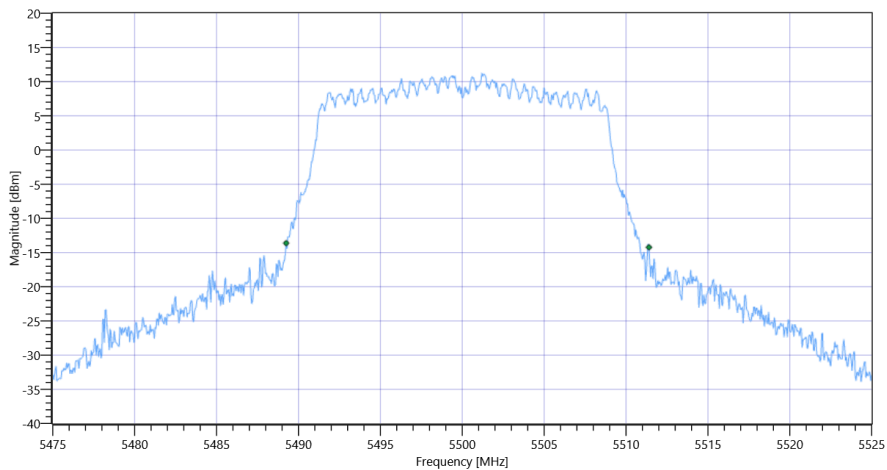
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

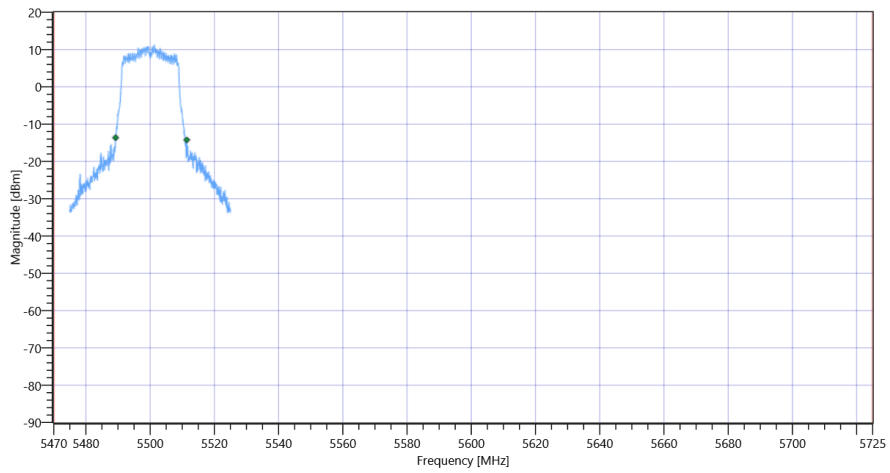
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 22.15 | MHz | INFO |
| T1 26dB | 5470.000000 | --- | 5489.2500 | MHz | PASS since U-NII-3 is supported |
| T2 26dB | --- | 5725.000000 | 5511.4000 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:41:15 |
| Ambit Temp [°C] Humidity [rel%] | 26.9 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5500 |
| Frequency mid to test | True Freq [MHz] 5600 |
| Frequency high to test | False Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5600 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 14.01 | dBm | INFO |
| Ref. Frequency | --- | --- | 5604.400 | MHz | INFO |

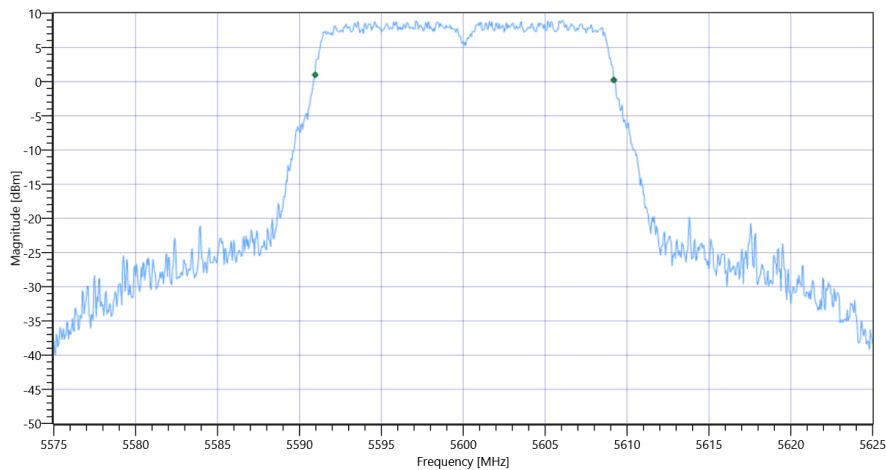
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 22.01 19.06 20 |
| Start [MHz] Stop [MHz] | 5575.000 5625.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

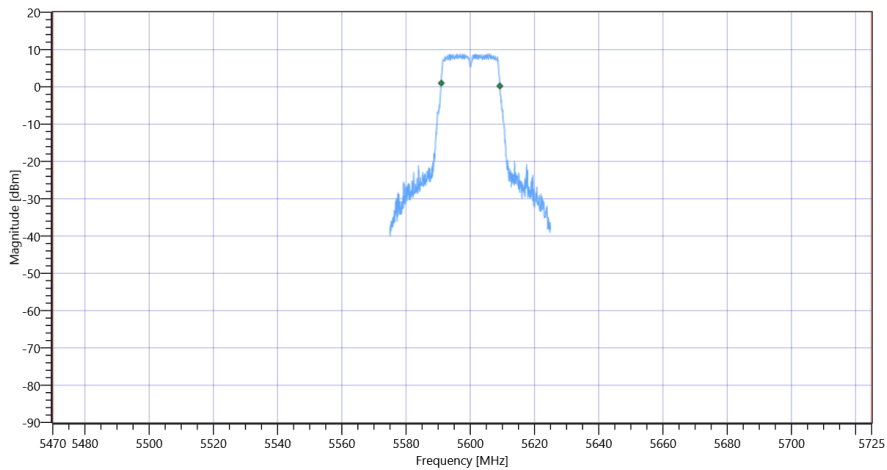
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.232 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5590.9590 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5609.1908 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

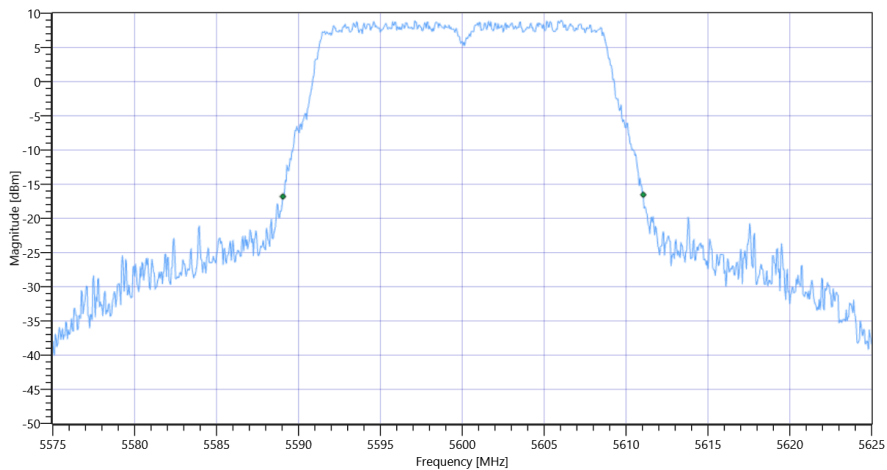
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

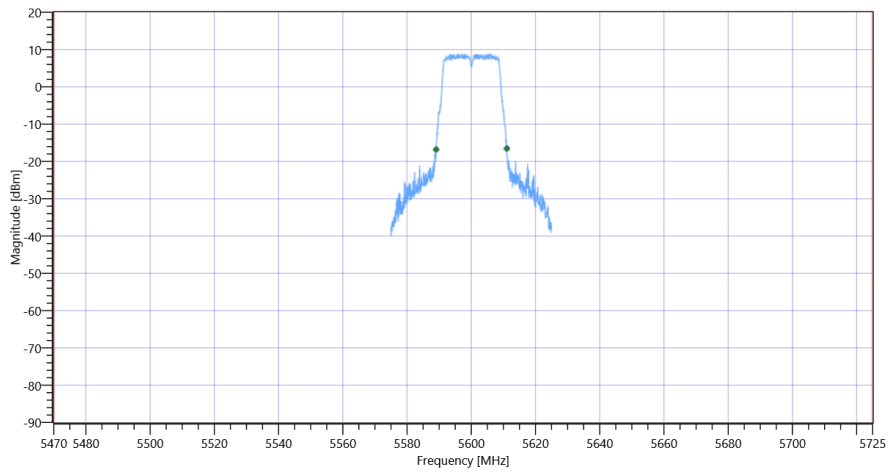
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 22 | MHz | INFO |
| T1 26dB | 5470.000000 | --- | 5589.0500 | MHz | PASS since U-NII-3 is supported |
| T2 26dB | --- | 5725.000000 | 5611.0500 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:48:50 |
| Ambit Temp [°C] Humidity [rel%] | 26.9 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5500 |
| Frequency mid to test | True Freq [MHz] 5600 |
| Frequency high to test | False Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5600 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 14.75 | dBm | INFO |
| Ref. Frequency | --- | --- | 5602.200 | MHz | INFO |

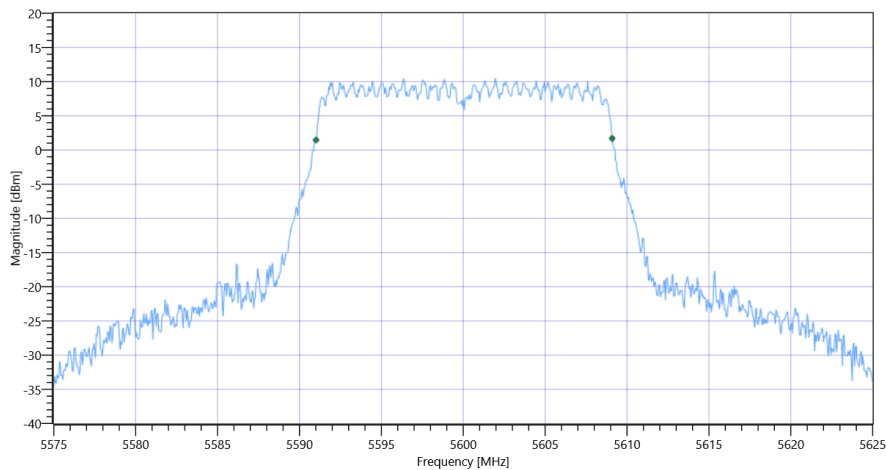
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 22.75 19.06 20 |
| Start [MHz] Stop [MHz] | 5575.000 5625.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

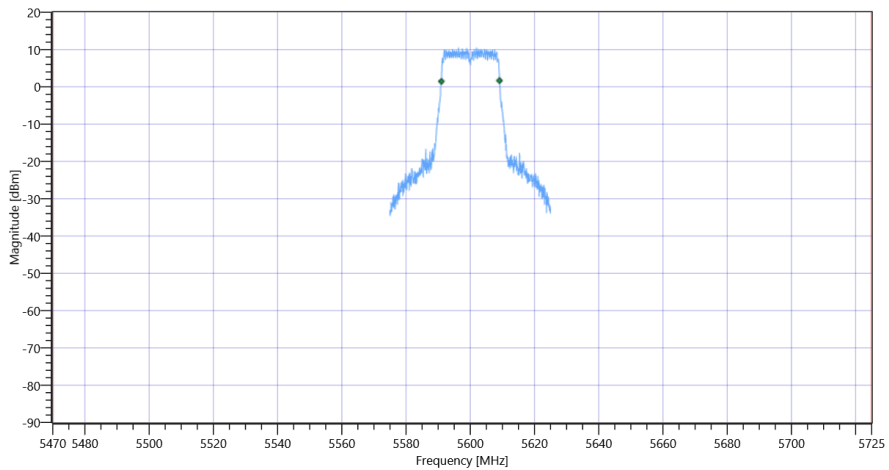
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.082 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5591.0090 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5609.0909 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

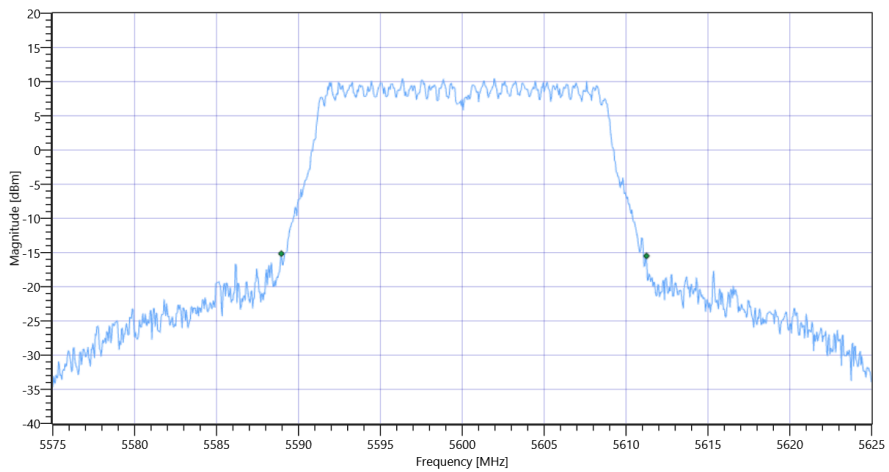
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

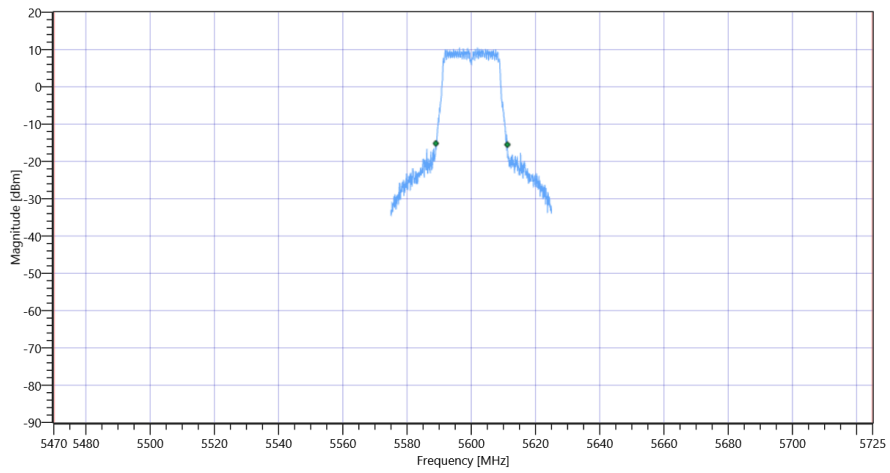
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 22.3 | MHz | INFO |
| T1 26dB | 5470.000000 | --- | 5588.9500 | MHz | PASS since U-NII-3 is supported |
| T2 26dB | --- | 5725.000000 | 5611.2500 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:54:33 |
| Ambit Temp [°C] Humidity [rel%] | 26.8 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5500 |
| Frequency mid to test | False Freq [MHz] 5600 |
| Frequency high to test | True Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5700 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 13.29 | dBm | INFO |
| Ref. Frequency | --- | --- | 5696.200 | MHz | INFO |

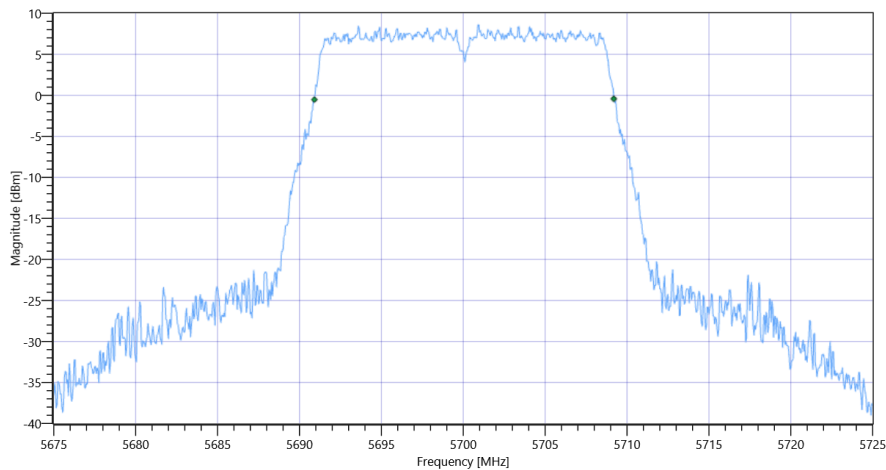
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 21.29 18.46 20 |
| Start [MHz] Stop [MHz] | 5675.000 5725.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

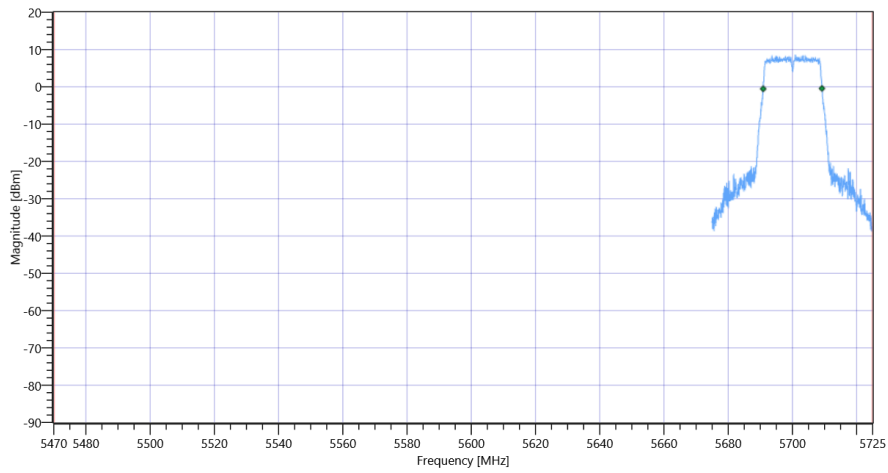
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.282 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5690.9091 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5709.1908 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

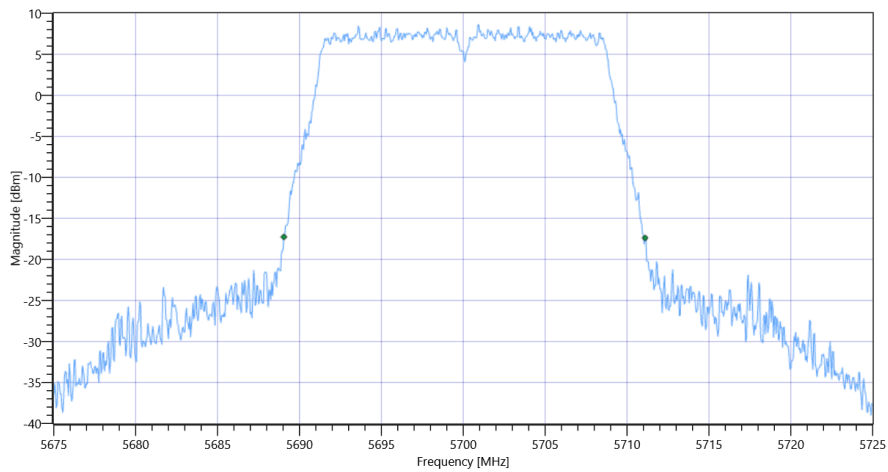
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

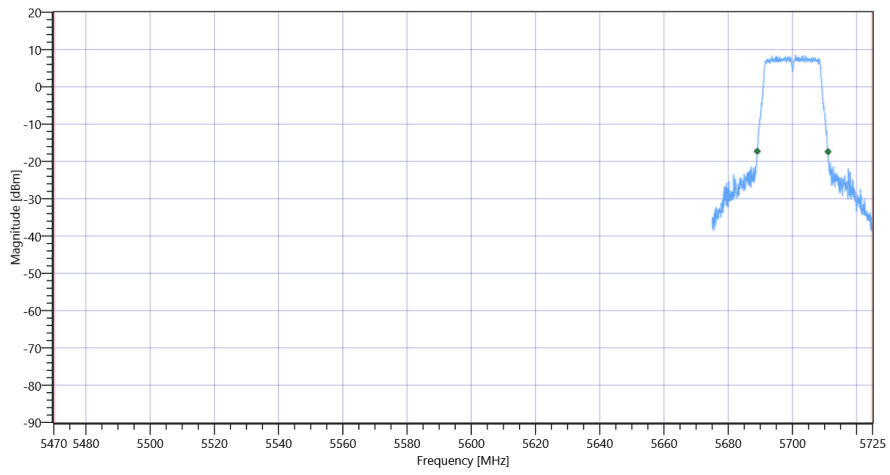
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 22.05 | MHz | INFO |
| T1 26dB | 5470.000000 | --- | 5689.0500 | MHz | PASS since U-NII-3 is supported |
| T2 26dB | --- | 5725.000000 | 5711.1000 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

| Test References | |
|-----------------------------------|--|
| TC Start | 20.07.2022 10:59:49 |
| Ambit Temp [°C] Humidity [rel%] | 26.9 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-2C |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5500 |
| Frequency mid to test | False Freq [MHz] 5600 |
| Frequency high to test | True Freq [MHz] 5700 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5700 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 14.69 | dBm | INFO |
| Ref. Frequency | --- | --- | 5694.610 | MHz | INFO |

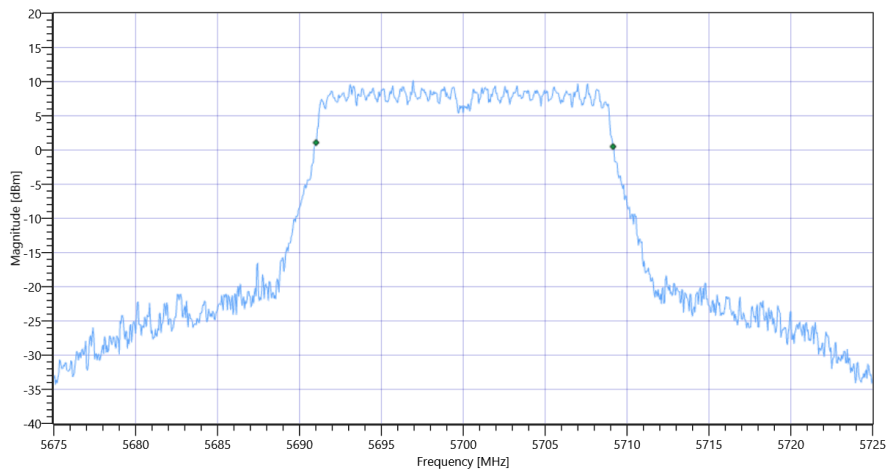
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 22.69 18.46 20 |
| Start [MHz] Stop [MHz] | 5675.000 5725.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

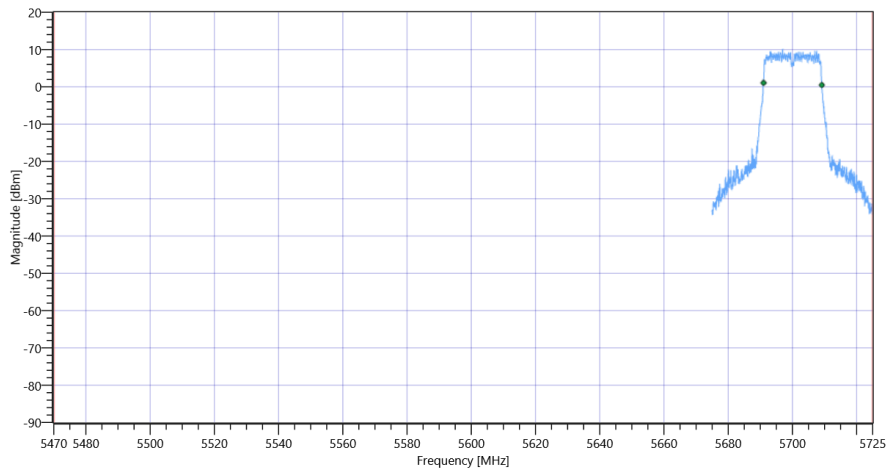
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------------------------------|
| Bandwidth 99% | --- | --- | 18.132 | MHz | INFO |
| T1 99% | 5470.000000 | --- | 5691.0090 | MHz | PASS since U-NII-3 is supported |
| T2 99% | --- | 5725.000000 | 5709.1409 | MHz | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 99PCT

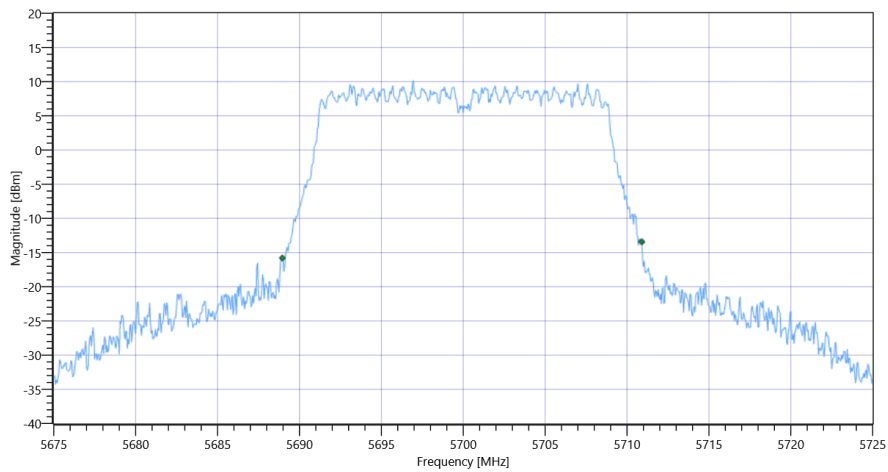
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

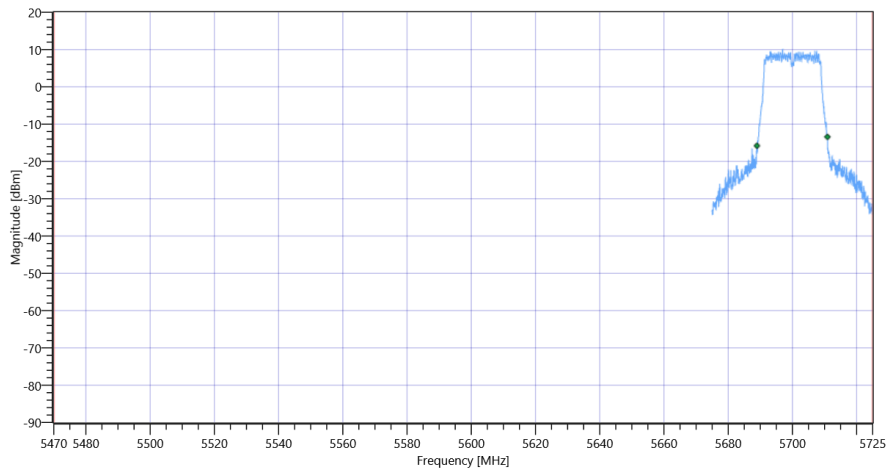
| RESULT | | | | | | |
|------------------|-------------|-------------|-----------|------|---------------------------------|--|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict | |
| Bandwidth 26dB | --- | --- | 21.95 | MHz | INFO | |
| T1 26dB | 5470.000000 | --- | 5688.9500 | MHz | PASS since U-NII-3 is supported | |
| T2 26dB | --- | 5725.000000 | 5710.9000 | MHz | | |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-2C

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References | |
|-----------------------------------|---|
| TC Start | 20.07.2022 11:09:22 |
| Ambit Temp [°C] Humidity [rel%] | 26.9 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3 |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5745 |
| Frequency mid to test | False Freq [MHz] 5785 |
| Frequency high to test | False Freq [MHz] 5825 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5745 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 20.69 | dBm | INFO |
| Ref. Frequency | --- | --- | 5741.400 | MHz | INFO |

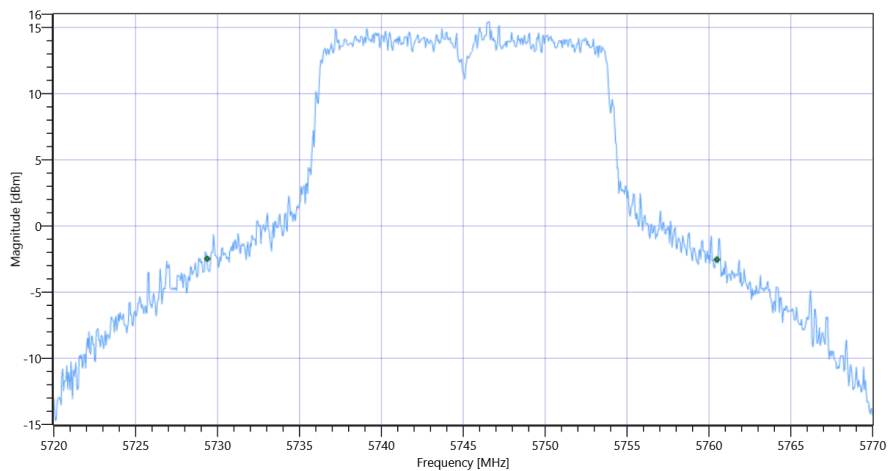
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 28.69 18.72 25 |
| Start [MHz] Stop [MHz] | 5720.000 5770.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

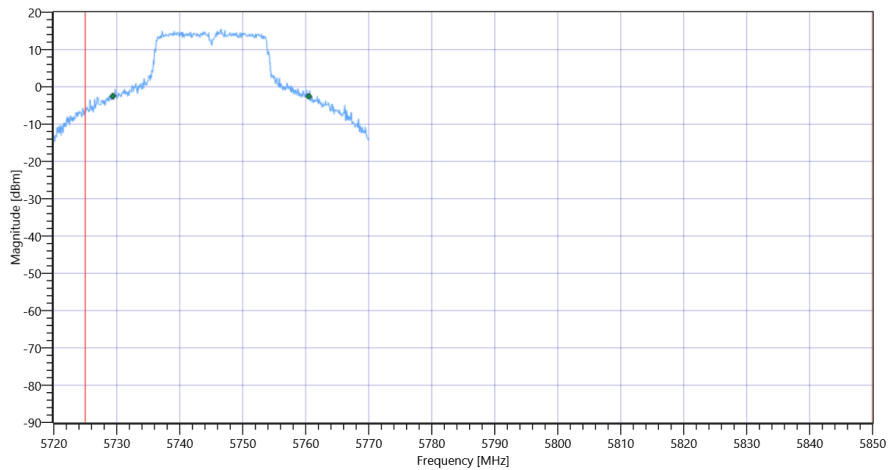
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99% | --- | --- | 31.119 | MHz | INFO |
| T1 99% | 5725.000000 | --- | 5729.3656 | MHz | PASS |
| T2 99% | --- | 5850.000000 | 5760.4845 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT

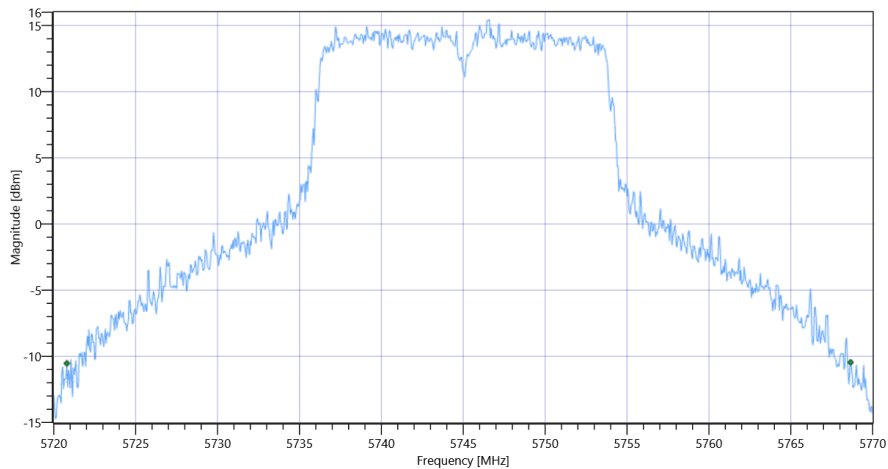
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

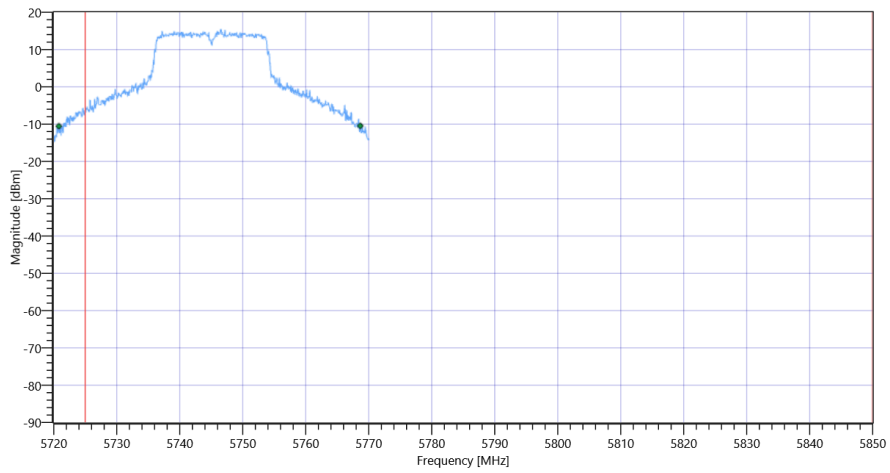
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|--------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 47.85 | MHz | INFO |
| T1 26dB | 5725.000000 | --- | 5720.8000 | MHz | DFS required |
| T2 26dB | --- | 5850.000000 | 5768.6500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References | |
|-----------------------------------|---|
| TC Start | 20.07.2022 11:17:45 |
| Ambit Temp [°C] Humidity [rel%] | 27.0 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3 |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True Freq [MHz] 5745 |
| Frequency mid to test | False Freq [MHz] 5785 |
| Frequency high to test | False Freq [MHz] 5825 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5745 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 19.15 | dBm | INFO |
| Ref. Frequency | --- | --- | 5740.000 | MHz | INFO |

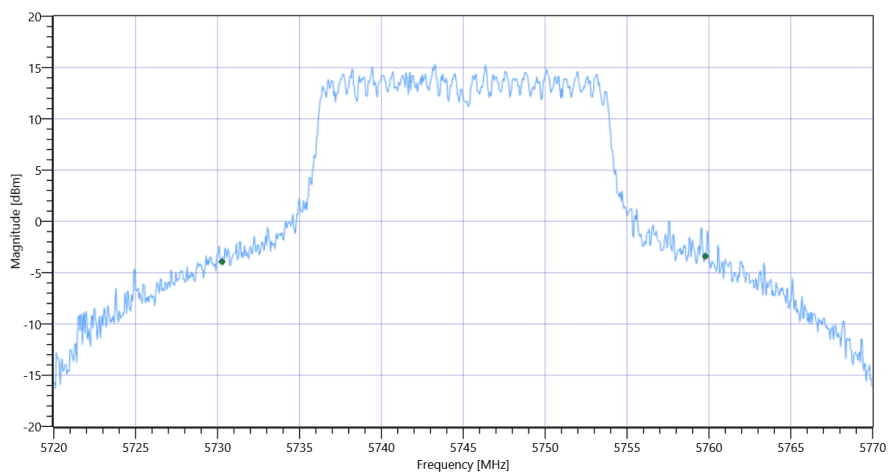
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 27.15 18.72 25 |
| Start [MHz] Stop [MHz] | 5720.000 5770.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

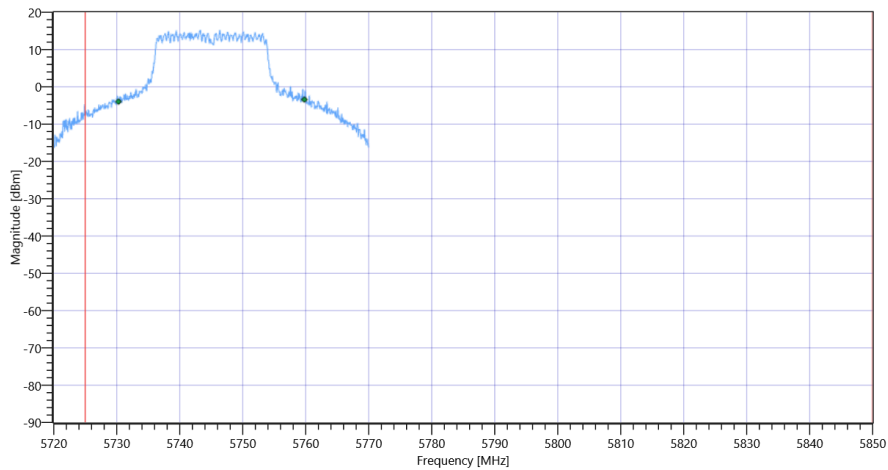
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99% | --- | --- | 29.520 | MHz | INFO |
| T1 99% | 5725.000000 | --- | 5730.2647 | MHz | PASS |
| T2 99% | --- | 5850.000000 | 5759.7852 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT

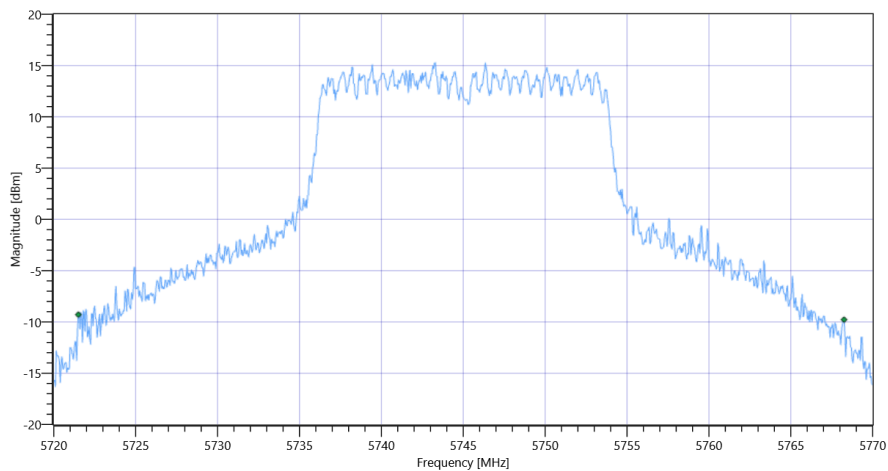
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

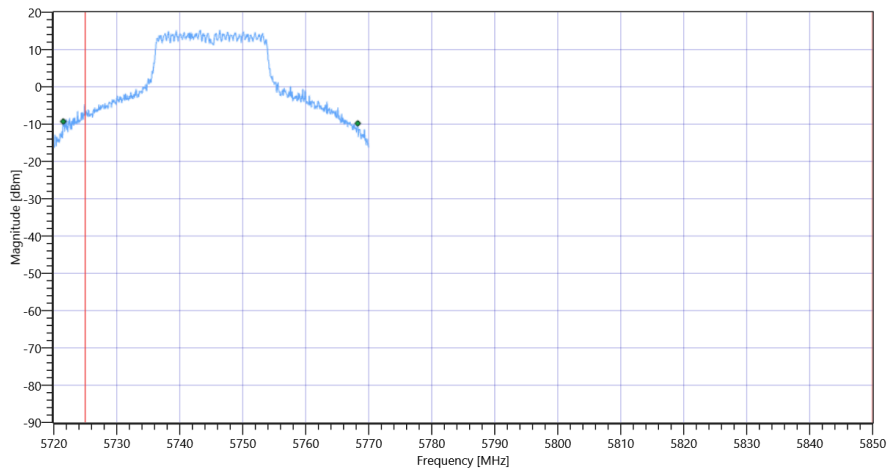
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|--------------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 46.75 | MHz | INFO |
| T1 26dB | 5725.000000 | --- | 5721.5000 | MHz | DFS required |
| T2 26dB | --- | 5850.000000 | 5768.2500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References | |
|-----------------------------------|---|
| TC Start | 20.07.2022 11:29:03 |
| Ambit Temp [°C] Humidity [rel%] | 27.4 41 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3 |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5745 |
| Frequency mid to test | True Freq [MHz] 5785 |
| Frequency high to test | False Freq [MHz] 5825 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5785 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 20.50 | dBm | INFO |
| Ref. Frequency | --- | --- | 5789.200 | MHz | INFO |

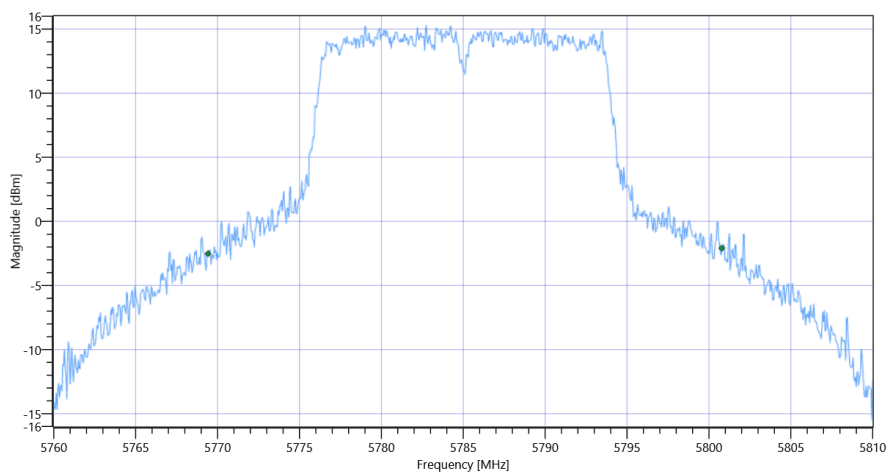
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 28.50 18.76 25 |
| Start [MHz] Stop [MHz] | 5760.000 5810.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

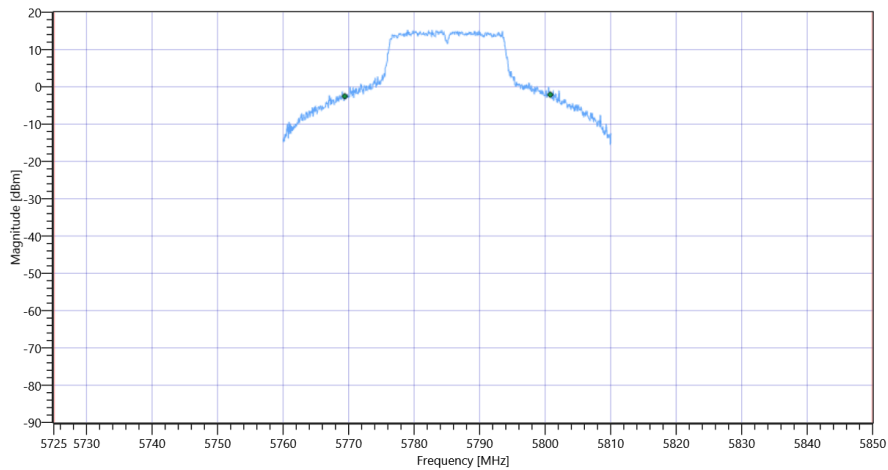
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99% | --- | --- | 31.369 | MHz | INFO |
| T1 99% | 5725.000000 | --- | 5769.4156 | MHz | PASS |
| T2 99% | --- | 5850.000000 | 5800.7842 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT

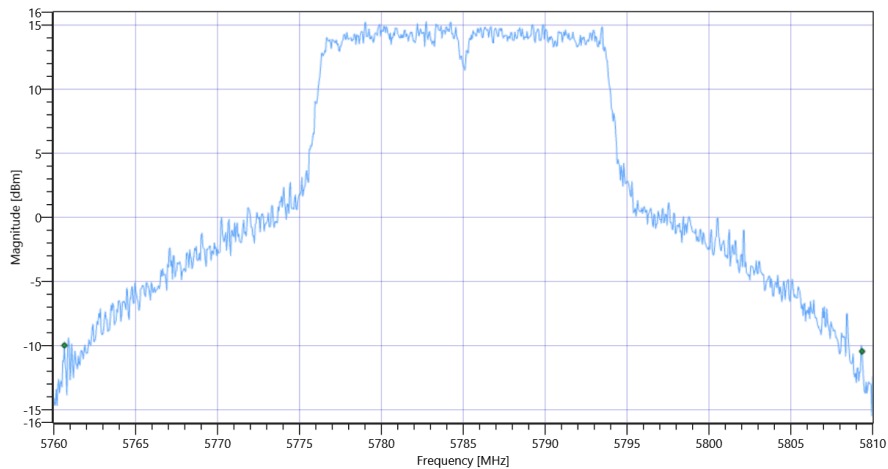
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

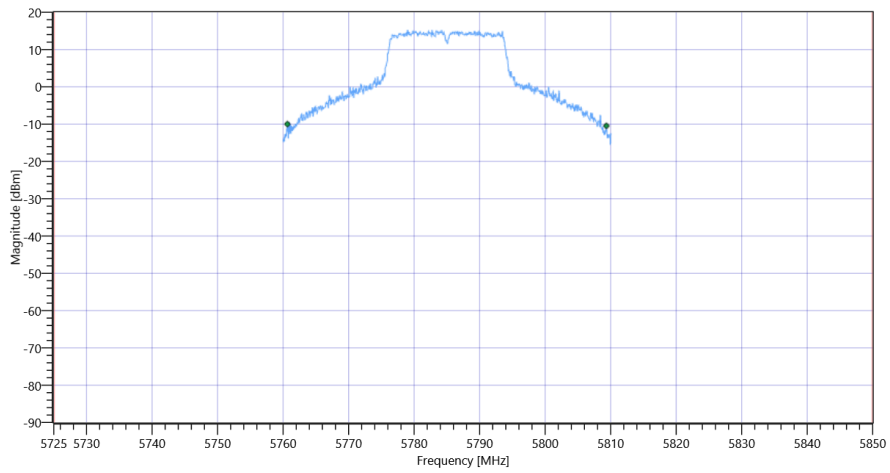
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 48.7 | MHz | INFO |
| T1 26dB | 5725.000000 | --- | 5760.6500 | MHz | PASS |
| T2 26dB | --- | 5850.000000 | 5809.3500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References | |
|-----------------------------------|---|
| TC Start | 20.07.2022 11:41:00 |
| Ambit Temp [°C] Humidity [rel%] | 27.5 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3 |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5745 |
| Frequency mid to test | True Freq [MHz] 5785 |
| Frequency high to test | False Freq [MHz] 5825 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |

Test at TX 5785 MHz

RESULT: Reference Power cond.

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|-------------------------------|-------------|-------------|----------|------|---------|
| Ref. Power 1MHz/1MHz cond. | --- | --- | 19.89 | dBm | INFO |
| Ref. Frequency | --- | --- | 5783.000 | MHz | INFO |

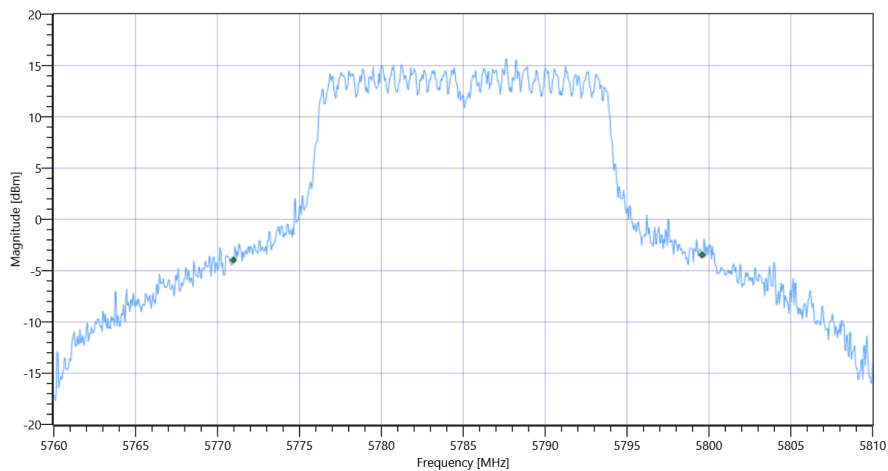
READ SA SETTINGS:

| | |
|--|-----------------------|
| RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB] | 27.89 18.76 25 |
| Start [MHz] Stop [MHz] | 5760.000 5810.000 |
| RBW [MHz] VBW [MHz] | 0.300000 1.000000 |
| Detector TraceMode | POS MAXH |
| Sweep: Time [ms] Count Points per Section Type | 1 2500 1001 SWE |

RESULT

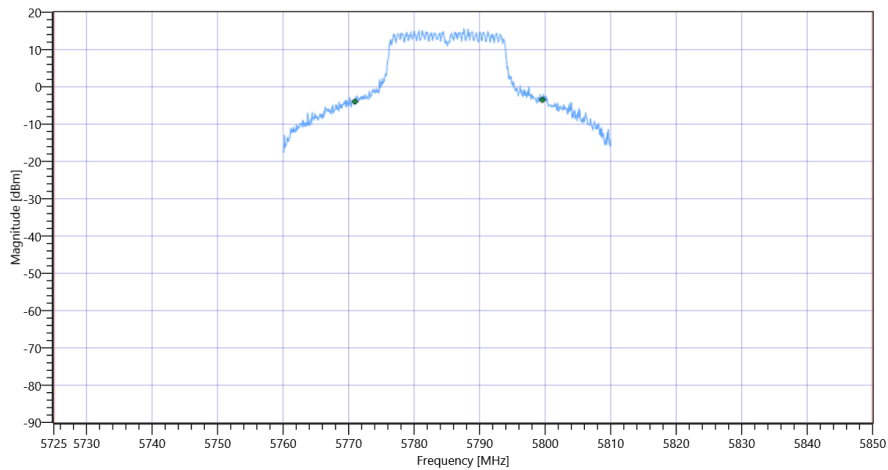
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|------------------|-------------|-------------|-----------|------|---------|
| Bandwidth 99% | --- | --- | 28.621 | MHz | INFO |
| T1 99% | 5725.000000 | --- | 5770.9640 | MHz | PASS |
| T2 99% | --- | 5850.000000 | 5799.5854 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 99PCT

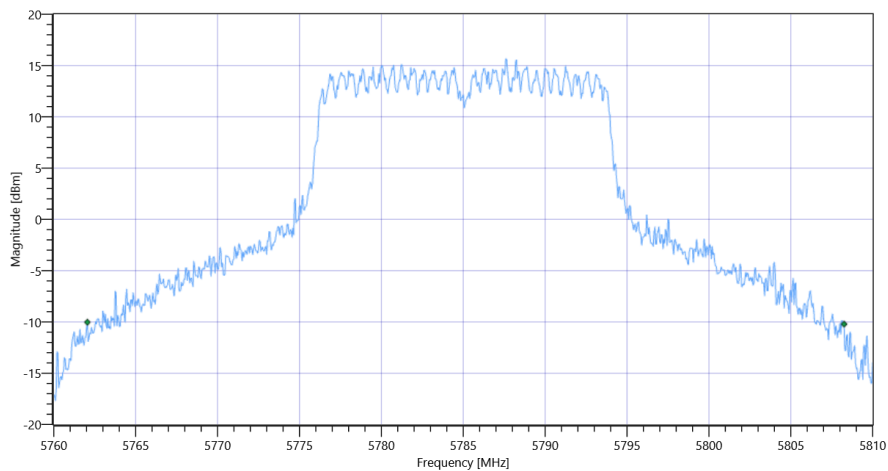
Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

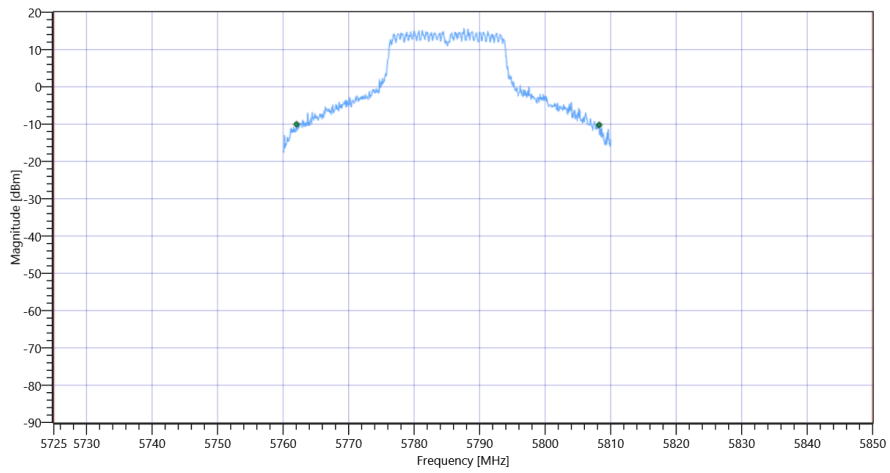
| RESULT | | | | | |
|------------------|-------------|-------------|-----------|------|---------|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Bandwidth 26dB | --- | --- | 46.2 | MHz | INFO |
| T1 26dB | 5725.000000 | --- | 5762.0500 | MHz | PASS |
| T2 26dB | --- | 5850.000000 | 5808.2500 | MHz | PASS |

Plot: Bandwidth only



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3 26dB

Plot: Bandwidth within Band



FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

General verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB ~ WLAN5Gx n-HT20 mode U-NII-3

| Test References | |
|-----------------------------------|---|
| TC Start | 20.07.2022 11:50:06 |
| Ambit Temp [°C] Humidity [rel%] | 27.5 42 |
| System Version | 3.3.0.0 |
| Test Specification | FCC 15.407, ISED RSS247 - |
| Test Method | 26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN |
| TC Version | 0.0.1 |
| My Description | FCC 15.407 Bandwidths - WLAN5Gx n-HT20 mode U-NII-3 |
| Add. Information | |

| EUT Common Settings WLAN5Gx | |
|-----------------------------|--------|
| Number of Antenna Ports | 2 |
| User Interaction | No |
| Device Class UNII_1 | Client |

| Test Parameter | |
|--|--|
| Technology to test | WLAN5Gx n-HT20 mode |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False Freq [MHz] 5745 |
| Frequency mid to test | False Freq [MHz] 5785 |
| Frequency high to test | True Freq [MHz] 5825 |
| Auto Control enabled Power Supply Climatic Box | No No |
| Additional Path Loss [dB] | 1.4 |
| Switched Path | EUT - SignalingUnit - SpectrumAnalyzer |

| Test Equipment | |
|---|--|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 | |
| Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI | |